



QUALYS SECURITY CONFERENCE 2018

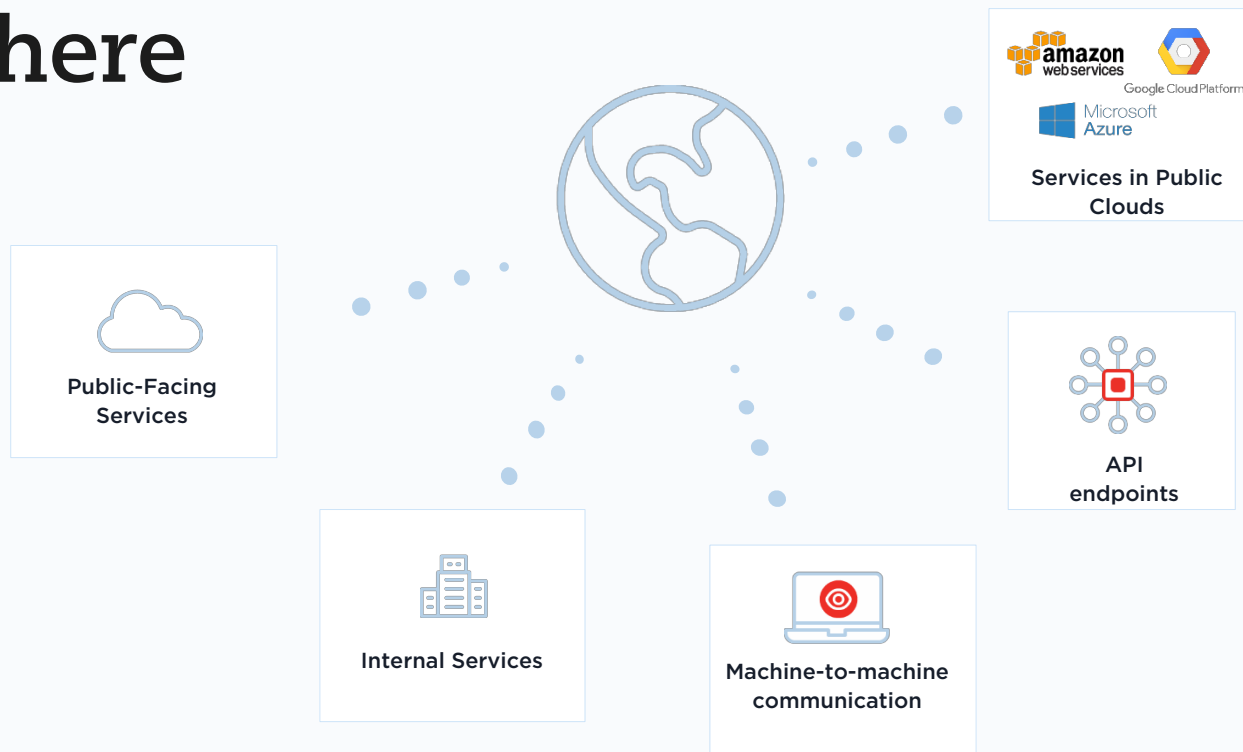
Qualys CertView

Managing Digital Certificates

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Certificates are Everywhere



Evolving security indicators

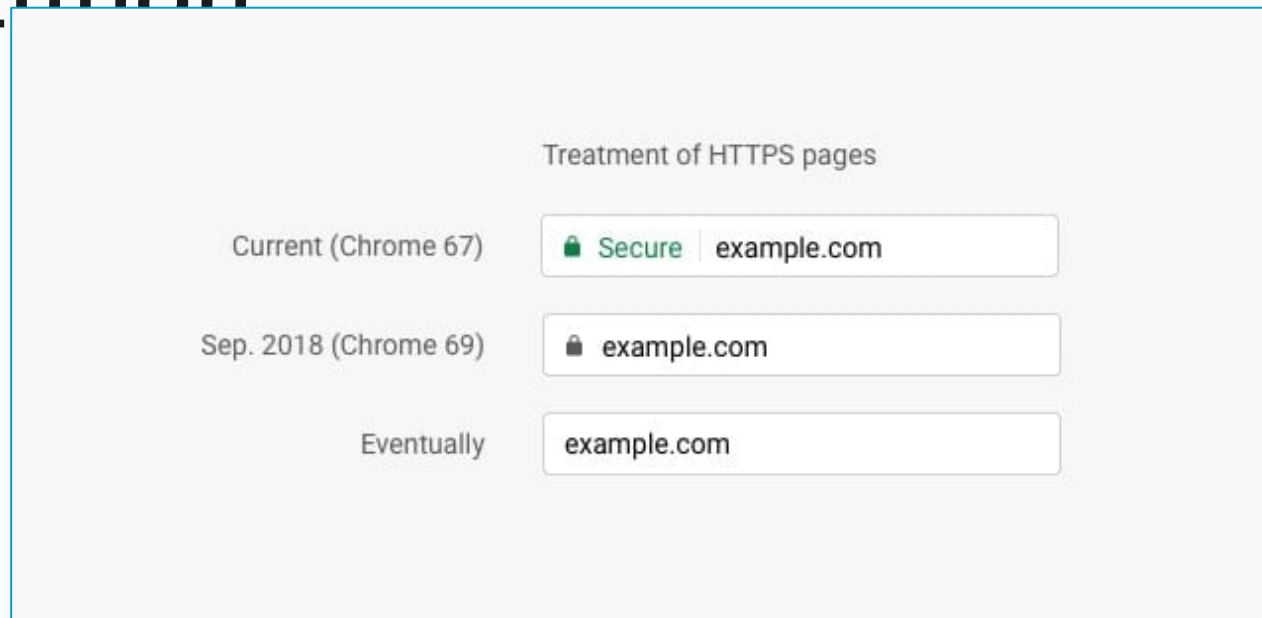


Users should expect that the web is safe by default, and they'll be warned when there's an issue¹.

Google Security Team

¹<https://blog.chromium.org/2018/05/evolving-chromes-security-indicators.html>

Timeline of Chrome's Evolution



Timeline of Chrome's Evolution

Eventual treatment of all
HTTP pages in Chrome:

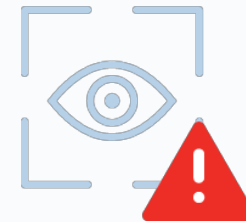
 **Not secure** | example.com

<https://www.chromium.org/Home/chromium-security/marking-http-as-non-secure>

Schedule to disable TLS 1.0 / 1.1

- Chrome: Jan 2020
- Firefox/Safari: March 2020
- IE/Edge : First half of 2020

TLS 1.3 is faster and removes support for insecure features and ciphers





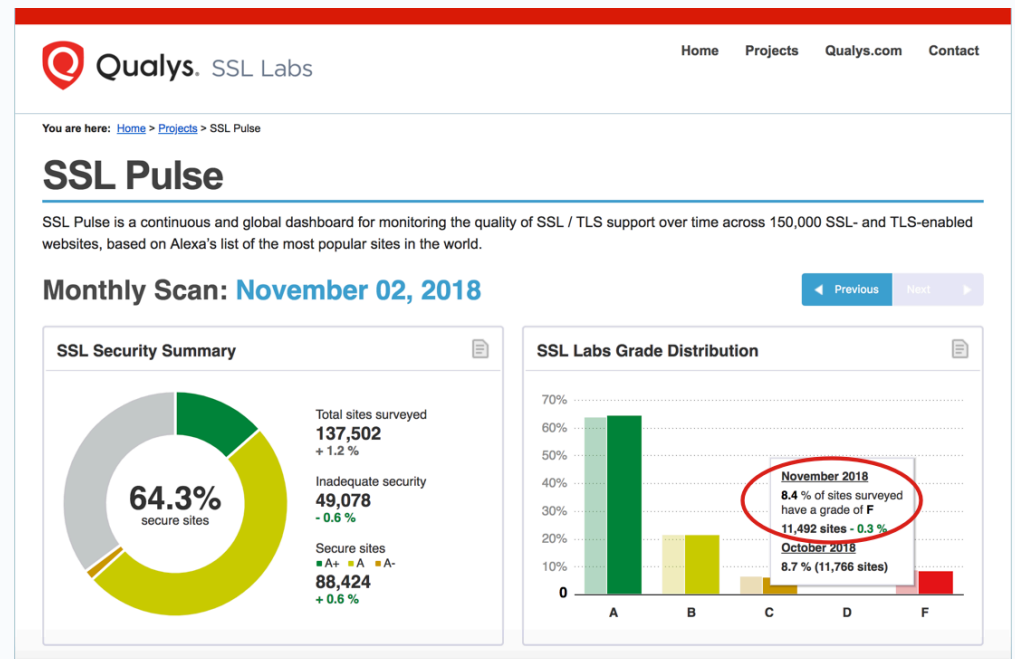
SSL Pulse

The Good

- No SHA1 or 1024 bit keys

The Bad (~35% inadequate)

- Expired certificates: ~5,200
- Expiring in the next 2 weeks: ~4,500
- Weak/Insecure cipher suites: ~4,200
- SSLv2/SSLv3: ~15,000
- TLSv1.0: ~99,000 (72%)
- RC4 enabled: ~22,000 (16%)



Certificates renewal

Expired SSL Certificate knocks offline web services and websites




***.free.fr**
Délivré par: RapidSSL SHA256 CA - G3
Expiré le lundi 7 août 2017 à 16:29:34 heure d'été d'Europe centrale
⊗ Ce certificat a expiré

FreeWiFi
August 2017

Pokemon GO
January 2018

LinkedIn
December 2017



Your connection is not secure

The owner of expired.badssl.com has configured their website improperly. To protect your information from being stolen, Firefox has not connected to this website.

[Learn more...](#)

[Go Back](#) [Advanced](#)

☐ Report errors like this to help Mozilla identify and block malicious sites

Current State of Most Organizations

Limited Visibility

95% of organizations don't know where certs are in their networks

Limited ownership information

The unknown is difficult to manage

Expirations Missed

Unplanned outages

Many more "near misses"

Compliance

Certificates from unapproved CAs

Responding to audits are manually intensive exercises

Reliance on Manual Processes

Spreadsheets are error prone and out-of-date

Expensive, not scalable as certificates increase

Troubleshooting issues is challenging



The average Global **5,000**
company spends about **\$15 million**
to recover
from the loss of business due to
a certificate outage¹

¹<http://www.csoonline.com/article/2987186/browser-security/expired-certificates-cost-businesses-15-million-per-outage.html>

Challenges of Existing Solutions

Lack of..

Visibility

Point tools, increasing effort and ownership costs

Scalability

Operational silos

Work in on-premises or cloud-only mode

Require multiple or complex deployments to cover large environments

Maturity

Most solutions are off-the-shelf vulnerability-only or certificate-only “tools”

Single Pane of Glass



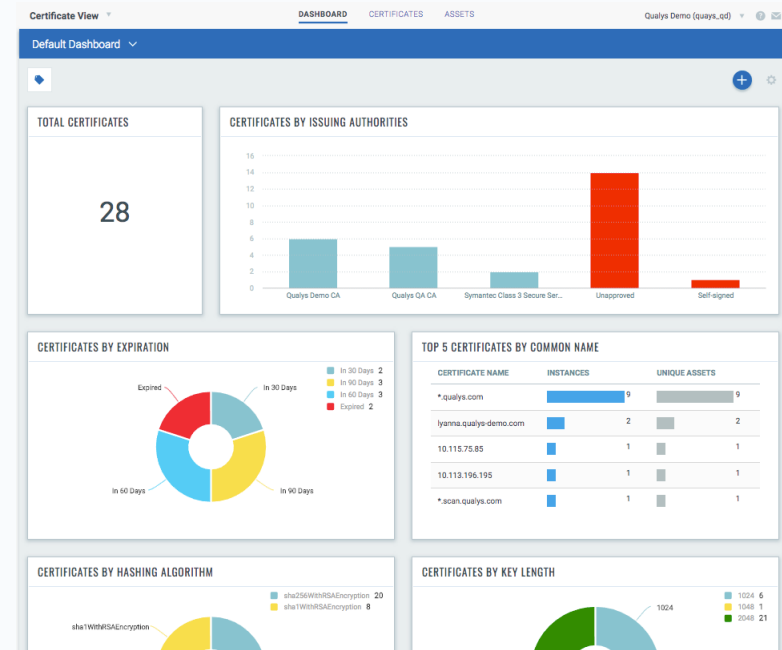
Introducing Qualys CertView

Discover, inventory, monitor certificates

Discover, inventory, monitor host configurations & vulnerabilities

Coverage across both on-premises and cloud environments

Renew certificates from the same platform



Use Cases

Outage Remediation

Stop expired certificates from interrupting business

Certificate Grades

Find out if your TLS configurations are following best practices

Baseline Normal Usage/ Full Visibility

Establish a baseline to be able to detect anomalies

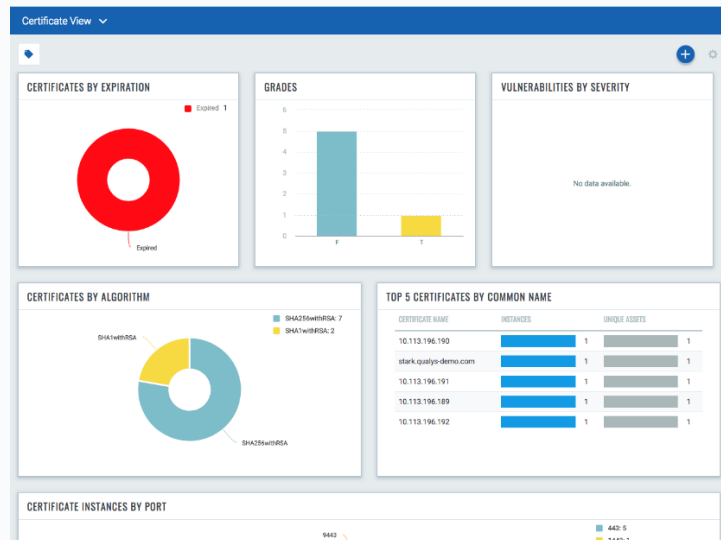
Audits and Compliance

Achieve audit success and fast remediation

Certificate Renewal

Renew expiring certificates

Key Advantages of Qualys CertView



Uses the same Qualys scanners already deployed for Vulnerability Management or Policy Compliance

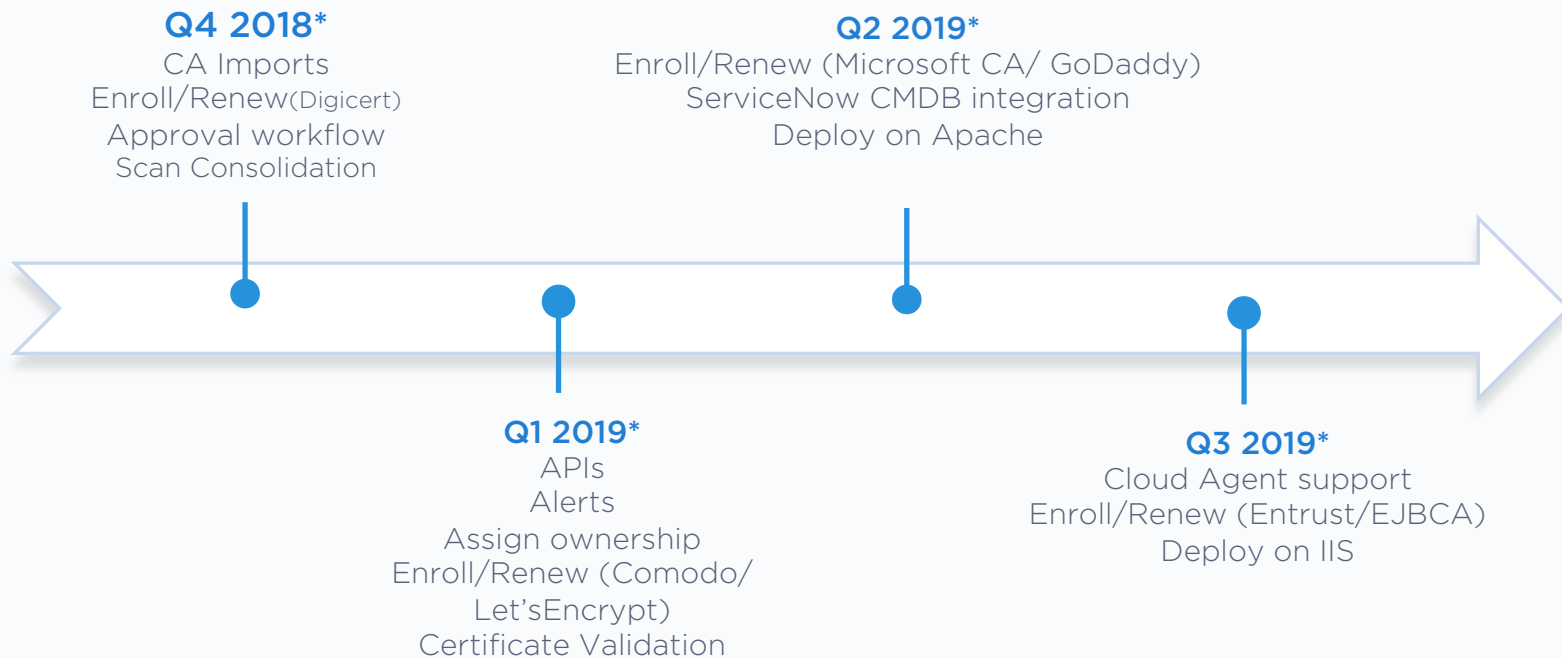
Qualys CertView meets much of the common use cases in current version

Certificate Enrollment/Renewal available this month

Simplified delivery through Qualys Cloud Platform – easy for existing VM/PC customers to trial and deploy

Attractive Pricing

CertView Releases and Roadmap



* Roadmap items are future looking; timing and specifications may change

DEMO



Certificate View



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Thank You

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